

FIG. 1

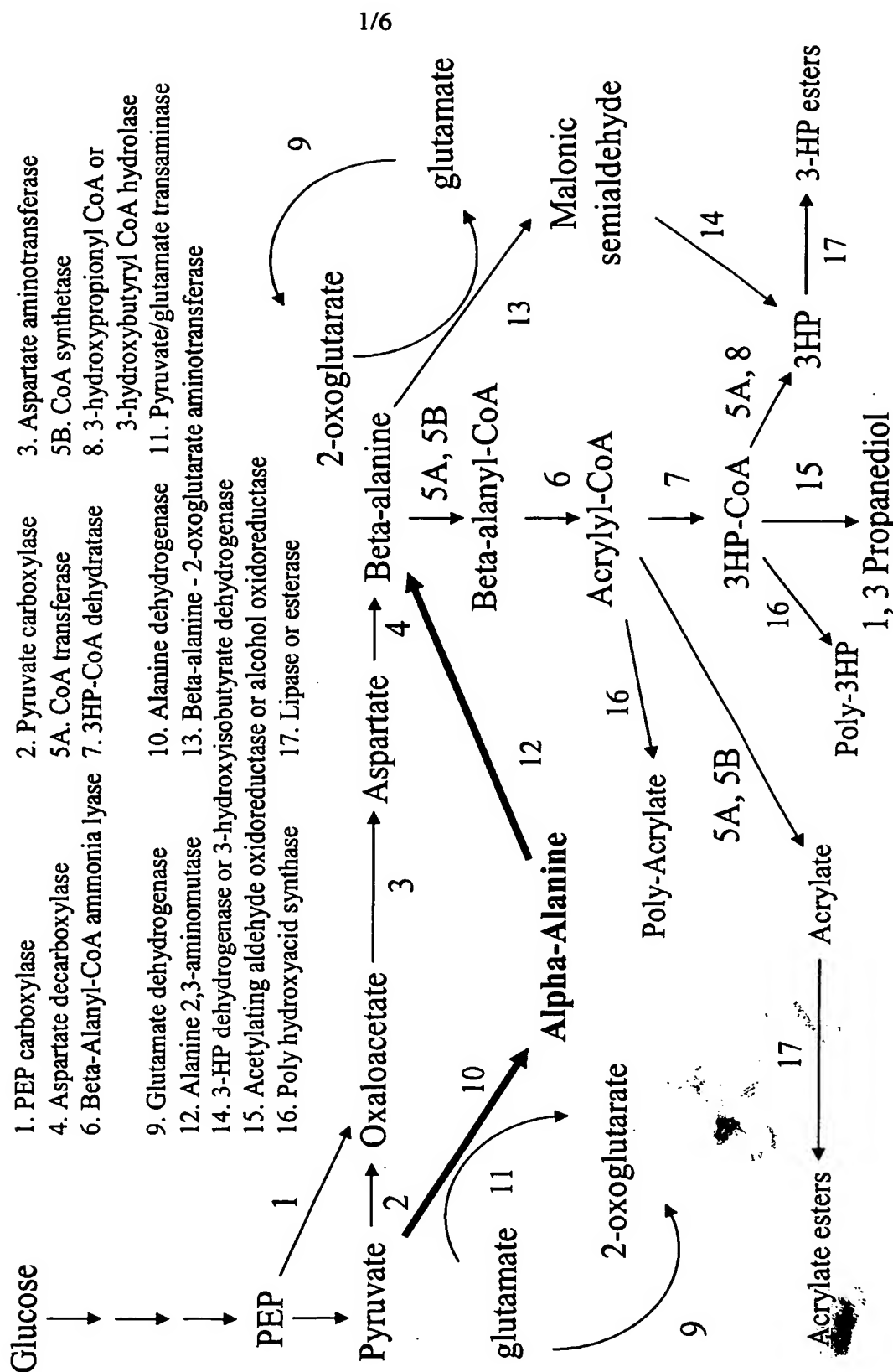
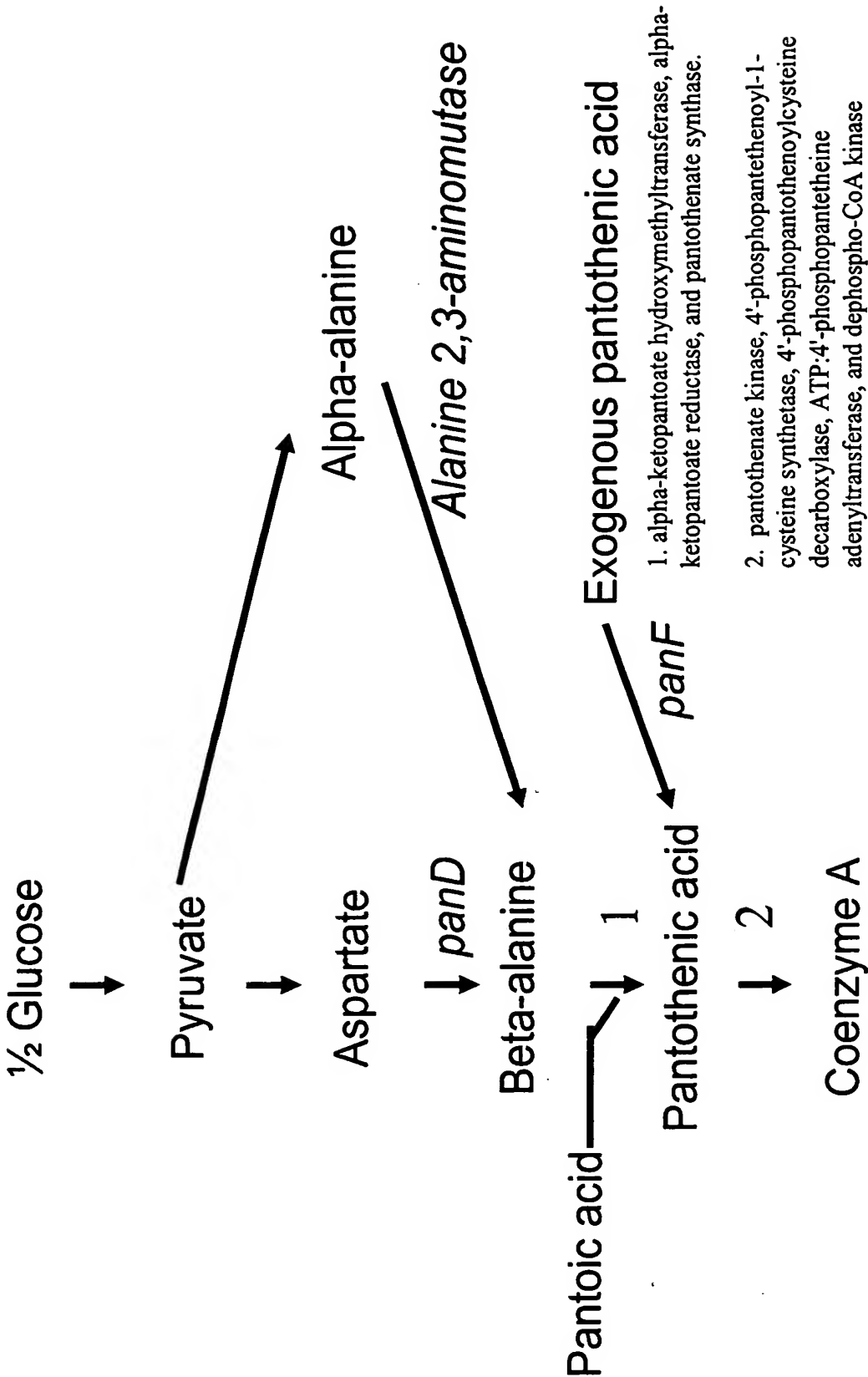




FIG. 3



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FIG. 4

BSKam	1	mknkwykpkrrhwkeielwkdvpeekwndwqlthtvtlddlkkvinlt
MUTANT	1	mknkwykpkrrhwkeielwkdvpeekwndwqlthtvtlddlkkvinlt
BSKam	51	edeeegvrisktktiplnitpyyaslmdpndprcpvrmqsvplseemhktk
MUTANT	51	edeeegvrisktktiplnitpyyaslmdpndprcpvrmqsvplseemhktk
BSKam	101	ydledplhededspvpglthrypdrvlflvtnqcs <u>smvcrvctrrrfsgqi</u>
MUTANT	101	ydmedplhededspvpglthrypdrvlflvtnqcs <u>svvcrvctrrrfsgqi</u>
BSKam	151	gmgvppkkqldaaiayiretpeirdclisggdgllindqileyilkelrsi
MUTANT	151	gmgvppkkqldaaiayiretpeirdclisggdgllindqileyilkelrsi
BSKam	201	phlevirigtrapvvfpqritdhlceilkkyhpvwlntfhntsiemtees
MUTANT	201	phlevirigtrapvvfpqritdhlceilkkyhpvwlntfhntsiemtees
BSKam	251	veaceklvnagvpvgnqavvlagindsvpimkkmlhdlvkirvrpyyiyq
MUTANT	251	veaceklvnagvpvgnqavvlagindsvpimkkmlhdlvkirvrpyyiyq
BSKam	301	cdlsegighfrapvskgleiiegrrghtsgyavptfvvdapggggkialq
MUTANT	301	cdlsegighfrapvskgleiiegrrghtsgyavptfvvhapggggkialq
BSKam	351	pnvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpetadkk
MUTANT	351	pnvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpetadkk
BSKam	401	epiglsaifadkevsftpenvdrikrrreayianpehetlkdrrrekrdqlk
MUTANT	401	epiglsaifadkevsftpenvdrikrrreayianpehetlkdrrrekrdqlk
BSKam	451	ekkflaqqkkqketecggdss
MUTANT	451	ekkflaqqkkqketecggdss

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FIG. 5

Pgkam	1	maesrrkyyfpdvtdeqwn	dwhwqvl	nrietldqlkkyvtltaeeeegvk
Pgaam	1	maesrrkyyfpdvtdeqwy	dwhwqvl	nrietldqlkkyvtltaeeeegvk
Pgkam	51	eslkvlrmaitpyylslidpenpncp	irkqaipthq	gelvrapedqvdp
Pgaam	51	espkvlrmaitpyylslidpenpncp	irkqaipthq	gelvrapedqvdp
Pgkam	101	ededspvp	glthrypdrvl	flitdkcsmycrhctrrrfagqkdasspser
Pgaam	101	ededspvp	glthrypdrvl	flitdkcsmycrhctrrrfagqkdasspser
Pgkam	151	idrcidyiantptvr	dvl	lsggdallvsderleyilkr
Pgaam	151	idrcidyiantptvr	dvl	lsggdallvsderleyilkr
Pgkam	201	gsrtpvvl	pqrtpqlv	dmkkyhpvwl
Pgaam	201	gsrtpvvl	pqrtpqlv	dmkkyhpvwl
Pgkam	251	nagiplgn	qtvllrgindc	thvmkrlvhl
Pgaam	251	nagiplgn	qtvllrgindc	thvmkrlvhl
Pgkam	301	hfrtpvskgieiien	lrghtsgyavpt	fvvdapgggkipvmpnyvvsqs
Pgaam	301	hfrtpvskgieiien	lrghtsgyavpt	fvvgapgggkipvtpnyvvsqs
Pgkam	351	prhvvlrnyegvittyte	penyheecdced	cragkhkegvaalsggqqla
Pgaam	351	prhvvlrnyegvittyte	penyheecdced	cragkhkegvaalsggqqla
Pgkam	401	iepsdlarkkrkfdkn		
Pgaam	401	iepsdlarkkrkfdkn		

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FIG. 6

Pgkam	1	maesrrkyyfp-----dvtdegwndwhwqvl nr ietldqlkkyv
Pgaam	1	maesrrkyyfp-----dvtdegwydwhwqvl nr ietldqlkkyv
Bskam	1	---mknkwykpkrhwkeielwkdvp eekwndwql tht vrtlddlk kvi
Bsaam	1	---mknkwykpkrhwkeielwkdvp eekwndwql tht vrtlddlk kvi
Pgkam	40	tltaeeeeegvkeslklvrmaitpyylslidpenpncpirkqaipthqelv
Pgaam	40	tltaeeeeegvkespkvlrmaitpyylslidpenpncpirkqaipthqelv
Bskam	48	nlteeeeeegvrisktktiplnitpyyaslmdpdnprcpvrmqsvplseemh
Bsaam	48	nlteeeeeegvrisktktiplnitpyyaslmdpdnprcpvrmqsvplseemh
Pgkam	90	rapedqvdp l sededspvpglthrypdrvlflitdkcsmycrhctrrrfa
Pgaam	90	rapedqvdp l sededspvpglthrypdrvlflitdkcsmycrhctrrrfa
Bskam	98	ktkydledplhededspvpglthrypdrvlflvtnqcsmycryctrrrfs
Bsaam	98	ktkydmedplhededspvpglthrypdrvlflvtnqcsmycryctrrrfs
Pgkam	140	gqkdasspseridrcidiantptvrdvllsggdallvsderleyilkrl
Pgaam	140	gqkdasspseridrcidiantptvrdvllsggdallvsderleyilkrl
Bskam	148	gqigmgvppkqldaaiayiretpeirdclisggdgllindqileyilkel
Bsaam	148	gqigmgvppkqldaaiayiretpeirdclisggdgllindqileyilkel
Pgkam	190	reiphveivrigsrtpvvlppgritpqlvdmkkkyhpvwlnthfnhpnev
Pgaam	190	reiphveivrigsrtpvvlppgritpqlvdmkkkyhpvwlnthfnhpnev
Bskam	198	rsiphlevirigtrapvvfpqritdhlceilkkyhpvwlnthfnthsiet
Bsaam	198	rsiphlevirigtrapvvfpqritdhlceilkkyhpvwlnthfnthsiet
Pgkam	240	eeaveacermanagi plnqtvl lrgindcthvmkrlvhl lvkmrvrpyy
Pgaam	240	eeaveacermanagi plnqtvl lrgindcthvmkrlvhl lvkmrvrpyy
Bskam	248	eesveaceklvnagvpvgnqavvlagindsvpimkklmhd lvkirvrpyy
Bsaam	248	eesveaceklvnagvpvgnqavvlagindsvpimkklmhd lvkirvrpyy
Pgkam	290	iyvcdlslgighfrtpvskgieiienlrgh tsgyavptfvvdapggggki
Pgaam	290	iyvcdlslgighfrtpvskgieiienlrgh tsgyavptfvvgapggggki
Bskam	298	iyqcdlsegighfrapvskgleiieglrgh tsgyavptfvvdapggggki
Bsaam	298	iyqcdlsegighfrapvskgleiieglrgh tsgyavptfvvhapggggki
Pgkam	340	pvm pnyvvsqsprhvvlrnyegvittytepeny-----heecdcedcr
Pgaam	340	pvt pnyvvsqsprhvvlrnyegvittytepeny-----heecdcedcr
Bskam	348	alqpnyvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpet
Bsaam	348	alqpnyvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpet
Pgkam	383	agkhkegvaalsgggqlaiepsdlar-----
Pgaam	383	agkhkegvaalsgggqlaiepsdlar-----
Bskam	398	dkkepiglsaifadkev sftpenvdrik rreayianpehetlkd rrekrd
Bsaam	398	dkkepiglsaifadkev sftpenvdrik rreayianpehetlkd rrekrd
Pgkam	409	--kkrkf-----dkn
Pgaam	409	--kkrkf-----dkn
Bskam	448	qlkekkflaqkkqketecggdss
Bsaam	448	qlkekkflaqkkqketecggdss